

GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: July 14, 2006, 03:13:35 ; Search time 186 Seconds

(without alignments)
602.677 Million cell updates/secPerfect score: 1242
Sequence: 1 MAALWGFPPVLLLLTSGD.....SGKSSGSSKTKGSGAKRR 242Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

Database : Published Applications AA Main:*

- 1: /EMC_Celexra_SIDS3/prodata/2/pubppaa/US07_PUBCOMB.pep:*
- 2: /EMC_Celexra_SIDS3/prodata/2/pubppaa/US08_PUBCOMB.pep:*
- 3: /EMC_Celexra_SIDS3/prodata/2/pubppaa/US09_PUBCOMB.pep:*
- 4: /EMC_Celexra_SIDS3/prodata/2/pubppaa/US10_PUBCOMB.pep:*
- 5: /EMC_Celexra_SIDS3/prodata/2/pubppaa/US10B_PUBCOMB.pep:*
- 6: /EMC_Celexra_SIDS3/prodata/2/pubppaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
309	1242	100.0	242	4 US-10-176-847-30	Sequence 30, App1
492	1242	100.0	242	4 US-10-174-587-388	Sequence 388, App
556	1242	100.0	242	4 US-10-063-742-136	Sequence 136, App
670	1242	100.0	242	5 US-10-684-472-268	Sequence 268, App
671	1242	100.0	242	5 US-10-972-317-136	Sequence 136, App
680	1242	100.0	242	6 US-11-102-240-136	Sequence 136, App
681	1242	100.0	242	6 US-11-080-991-30	Sequence 30, App1
682	1242	100.0	242	6 US-11-103-195-136	Sequence 136, App
683	1242	100.0	253	5 US-10-821-234-865	Sequence 865, App
684	1242	100.0	168	3 US-09-981-876-280	Sequence 280, App
685	875	70.5	168	3 US-09-148-545-280	Sequence 280, App
686	875	70.5	168	5 US-10-979-111-280	Sequence 280, App
687	404	32.5	81	5 US-10-745-586-115	Sequence 115, App
688	367	29.5	74	3 US-09-981-876-198	Sequence 198, App
689	367	29.5	74	3 US-09-148-545-198	Sequence 198, App
690	367	29.5	74	5 US-10-979-111-198	Sequence 198, App
691	365	29.4	245	6 US-11-097-143-12300	Sequence 12300, A
692	343	27.6	84	4 US-10-425-115-362985	Sequence 362985, A
693	239	19.2	50	5 US-10-926-683-815	Sequence 815, App
694	232.5	18.7	208	4 US-10-425-115-274458	Sequence 274458, A
695	231.5	18.6	216	4 US-10-425-114-69483	Sequence 69483, A
696	230.5	18.6	233	4 US-10-425-114-66963	Sequence 66963, A
697	230	18.5	209	4 US-10-424-599-276977	Sequence 276977, A
698	230	18.5	212	4 US-10-425-114-44724	Sequence 44724, A
699	226.5	18.2	208	4 US-10-767-701-43617	Sequence 43617, A
700	224	18.0	205	4 US-10-437-963-203313	Sequence 203313, A
701	220	17.7	183	4 US-10-425-114-57562	Sequence 57562, A
702	194.5	15.7	218	5 US-10-739-930-7180	Sequence 7180, A

703	188.5	15.2	162	4 US-10-437-963-203311	Sequence 203311, A
704	185.5	14.9	205	5 US-10-739-930-6886	Sequence 6886, App
705	133.5	10.7	98	4 US-10-425-115-274456	Sequence 274456, A
706	95.5	7.7	544	4 US-10-369-493-12869	Sequence 12869, A
707	95	7.6	4015	4 US-10-424-599-275861	Sequence 275861, A
708	95	7.6	1012	4 US-10-437-963-197743	Sequence 197743, A
709	94.5	7.6	250	4 US-10-104-047-3933	Sequence 3933, App
710	94.5	7.6	526	6 US-11-072-512-1933	Sequence 3933, App
711	93.5	7.5	877	6 US-11-097-143-18996	Sequence 18996, A
712	92	7.4	877	6 US-11-188-298-18520	Sequence 18520, A
713	91.5	7.4	130	4 US-10-437-963-190168	Sequence 190168, A
714	91.5	7.4	326	6 US-11-097-143-20088	Sequence 20088, A
715	91	7.3	139	4 US-10-767-701-59070	Sequence 59070, A
716	89.5	7.2	694	6 US-11-098-666-10456	Sequence 10456, A
717	89.5	7.2	1087	4 US-10-435-766-19	Sequence 19, App1
718	89.5	7.2	1087	5 US-10-853-973A-19	Sequence 19, App1
719	88	7.1	659	5 US-10-751-235-56	Sequence 56, App1
720	86.5	7.0	93	4 US-10-424-599-276979	Sequence 276979, A
721	86.5	7.0	1110	6 US-11-188-298-5618	Sequence 5618, App
722	86.5	7.0	5032	4 US-10-408-765A-26	Sequence 26, App1
723	86.5	7.0	5038	4 US-10-723-860-1310	Sequence 1310, App
724	86.5	7.0	5038	5 US-10-756-149-5039	Sequence 5039, App
725	86.5	7.0	5081	4 US-10-276-774-1850	Sequence 1850, App
726	86.5	7.0	5081	5 US-10-450-763-35328	Sequence 35328, A
727	86	6.9	17	3 US-09-981-876-279	Sequence 279, App
728	86	6.9	17	3 US-09-148-545-279	Sequence 279, App
729	86	6.9	17	5 US-10-979-111-279	Sequence 279, App
730	86	6.9	230	4 US-10-408-765A-356	Sequence 356, App
731	86	6.9	230	5 US-10-517-656-127	Sequence 127, App
734	85.5	6.9	437	4 US-10-223-085-102	Sequence 102, App
780	85.5	6.9	437	4 US-10-219-065-136	Sequence 136, App
806	85.5	6.9	437	4 US-10-223-084-102	Sequence 102, App
807	85.5	6.9	437	4 US-10-223-088-102	Sequence 102, App
808	85.5	6.9	437	4 US-10-223-088-102	Sequence 102, App
813	85.5	6.9	437	4 US-10-223-087-102	Sequence 102, App
814	85.5	6.9	437	4 US-10-223-083-102	Sequence 102, App
817	85.5	6.9	437	4 US-10-223-089-102	Sequence 102, App
818	85.5	6.9	437	4 US-10-223-081-102	Sequence 102, App
819	85.5	6.9	437	4 US-10-223-082-102	Sequence 102, App
838	85.5	6.9	437	4 US-10-305-654-102	Sequence 102, App
839	85.5	6.9	437	4 US-10-081-056-102	Sequence 102, App
842	85.5	6.9	437	4 US-10-794-899-92	Sequence 92, App1
846	85.5	6.9	438	4 US-10-198-070-38	Sequence 38, App1
853	85.5	6.9	438	4 US-10-788-792-171	Sequence 171, App
854	85.5	6.9	505	4 US-10-434-599-203622	Sequence 203622, A
855	85.5	6.9	1242	4 US-10-037-417-110	Sequence 110, App
856	85.5	6.9	1242	6 US-11-019-711-110	Sequence 110, App
857	85.5	6.9	1242	6 US-10-450-763-58365	Sequence 58365, A
858	85.5	6.9	1487	5 US-10-369-493-9744	Sequence 9744, App
859	85	6.8	290	4 US-10-369-493-17949	Sequence 17949, A
860	84.5	6.8	456	4 US-10-369-493-17949	Sequence 17949, A
861	84	6.8	541	4 US-10-408-765A-679	Sequence 679, App
862	84	6.8	627	6 US-10-437-963-183247	Sequence 183247, A
863	84	6.8	897	6 US-11-097-143-13575	Sequence 13575, A
864	84	6.7	422	4 US-10-437-963-112684	Sequence 112684, A
865	83.5	6.7	422	6 US-11-188-298-18990	Sequence 18990, A
866	83.5	6.7	763	4 US-10-369-493-6493	Sequence 6493, App
867	83.5	6.7	190	4 US-10-369-566-968	Sequence 968, App
868	83	6.7	424	4 US-10-210-760A-2	Sequence 2, App1
869	83	6.7	424	4 US-10-210-760A-22	Sequence 22, App1
870	83	6.7	424	4 US-10-210-760A-24	Sequence 24, App1
871	83	6.7	424	4 US-10-210-760A-22	Sequence 22, App1
872	83	6.7	424	4 US-10-210-760A-30	Sequence 30, App1
873	83	6.7	424	4 US-10-229-541A-98	Sequence 98, App1
874	83	6.7	424	4 US-10-229-541A-117	Sequence 117, App
875	83	6.7	424	4 US-10-229-541A-119	Sequence 119, App
876	83	6.7	424	4 US-10-229-541A-125	Sequence 125, App
877	83	6.7	424	6 US-11-229-371-98	Sequence 98, App1
878	83	6.7	424	6 US-11-229-371-117	Sequence 117, App
879	83	6.7	424	6 US-11-229-371-119	Sequence 119, App
880	83	6.7	424	6 US-11-229-371-125	Sequence 125, App
881	83	6.7	424	6 US-11-228-923-98	Sequence 98, App1
882	83	6.7	424	6 US-11-228-923-117	Sequence 117, App
883	83	6.7	424	6 US-11-228-923-119	Sequence 119, App

884	83	6.7	424	6	US-11-228-923-125	Sequence 125, App
885	83	6.7	424	6	US-11-228-875-98	Sequence 98, Appl
886	83	6.7	424	6	US-11-228-875-117	Sequence 117, App
887	83	6.7	424	6	US-11-228-875-119	Sequence 119, App
888	83	6.7	424	6	US-11-228-875-125	Sequence 125, App
889	83	6.7	459	4	US-10-210-760A-32	Sequence 32, Appl
890	83	6.7	459	4	US-10-229-541A-127	Sequence 127, App
891	83	6.7	459	6	US-11-229-371-127	Sequence 127, App
892	83	6.7	459	6	US-11-228-923-127	Sequence 127, App
893	83	6.7	459	6	US-11-228-875-127	Sequence 127, App
894	83	6.7	695	4	US-10-282-122A-61020	Sequence 61020, A
895	83	6.7	695	6	US-11-045-004-1108	Sequence 1108, Ap
896	82.5	6.6	509	4	US-10-369-493-10520	Sequence 10520, A
897	82.5	6.6	540	4	US-10-282-122A-46917	Sequence 46917, A
898	82.5	6.6	1085	5	US-10-732-923-1555	Sequence 1555, Ap
899	82.5	6.6	1583	4	US-10-437-963-190509	Sequence 190509,
900	82	6.6	474	4	US-10-424-589-230554	Sequence 230554,
901	82	6.6	491	6	US-11-188-298-4899	Sequence 4899, Ap
902	82	6.6	693	3	US-09-815-242-5238	Sequence 5238, Ap
903	82	6.6	693	4	US-10-282-122A-43789	Sequence 43789, A
904	82	6.6	693	5	US-10-857-625-576	Sequence 576, App
905	82	6.6	693	5	US-10-470-048B-128	Sequence 128, App
906	82	6.6	715	3	US-08-815-242-12443	Sequence 12443, A
907	82	6.6	715	3	US-09-815-242-12736	Sequence 12736, A
908	82	6.6	1073	5	US-10-745-237-198	Sequence 198, App
909	82	6.6	1073	6	US-11-097-143-36885	Sequence 36885, A
910	81.5	6.6	476	5	US-10-489-695-13	Sequence 13, Appl
911	81.5	6.6	522	4	US-10-012-542-220	Sequence 220, App
912	81.5	6.6	522	4	US-10-115-123-220	Sequence 220, App
913	81.5	6.6	522	4	US-10-800-834-220	Sequence 220, App
914	81.5	6.6	555	4	US-10-012-542-251	Sequence 251, App
915	81.5	6.6	555	4	US-10-115-123-251	Sequence 251, App
916	81.5	6.6	555	4	US-10-800-834-251	Sequence 251, App
917	81.5	6.6	573	6	US-11-150-463-2	Sequence 2, Appli
944	81.5	6.6	574	3	US-09-997-428-340	Sequence 340, App
1452	81.5	6.6	574	4	US-10-174-587-234	Sequence 234, App

Search completed: July 14, 2006, 03:17:11
 Job time : 209 secs

GenCore version 5.1.9
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OM protein - protein search, using sw model1

Run on: July 14, 2006, 03:13:45 ; Search time 29 Seconds
(without alignments)
477.392 Million cell updates/sec

Perfect score: 1242
Sequence: 1 MAALMGFPVLLILLISGD.....SGKSSGSKTKGKAGKRR 242

Scoring table: BLOSUM62
Gap: 10.0 , Gapext 0.5

Searched: 204771 seqs, 57208143 residues

Total number of hits satisfying chosen parameters: 204771

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1500 summaries

Database : Published Applications NA New:*
1: /EMC_Celerra_SIDS3/prodata/1/pubppa/US09_NEW_PUB pep:*
2: /EMC_Celerra_SIDS3/prodata/1/pubppa/US06_NEW_PUB pep:*
3: /EMC_Celerra_SIDS3/prodata/1/pubppa/US07_NEW_PUB pep:*
4: /EMC_Celerra_SIDS3/prodata/1/pubppa/US08_NEW_PUB pep:*
5: /EMC_Celerra_SIDS3/prodata/1/pubppa/US10_NEW_PUB pep:*
6: /EMC_Celerra_SIDS3/prodata/1/pubppa/US11_NEW_PUB pep:*
7: /EMC_Celerra_SIDS3/prodata/1/pubppa/US11_NEW_PUB pep:*
8: /EMC_Celerra_SIDS3/prodata/1/pubppa/US60_NEW_PUB pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
2	1242	100.0	242	7 US-11-101-316-136	Sequence 136, App
3	224	18.0	205	6 US-10-449-902-30261	Sequence 30261, A
4	213.5	17.2	201	6 US-10-953-349-28665	Sequence 28665, A
5	213.5	17.2	228	6 US-10-953-349-28665	Sequence 28665, A
6	199.5	16.1	208	6 US-10-953-349-2628	Sequence 2628, App
7	199.5	16.1	210	6 US-10-953-349-2627	Sequence 2627, App
8	100	8.1	113	6 US-10-953-349-2629	Sequence 2629, App
9	87	7.0	511	6 US-10-449-902-52777	Sequence 52777, A
10	85.5	6.9	437	7 US-11-288-102-291	Sequence 291, App
11	83	6.7	419	6 US-10-953-349-8374	Sequence 8374, App
12	83	6.7	424	6 US-10-953-349-8373	Sequence 8373, App
13	83	6.7	460	6 US-10-953-349-8372	Sequence 8372, App
14	82	6.6	358	7 US-10-471-571A-3388	Sequence 3388, App
15	81.5	6.6	358	7 US-11-056-355B-91328	Sequence 91328, A
16	81.5	6.6	358	7 US-11-056-355B-95064	Sequence 95064, A
17	81.5	6.6	368	7 US-11-056-355B-91327	Sequence 91327, A
18	81.5	6.6	368	7 US-11-056-355B-95083	Sequence 95083, A
19	81.5	6.6	428	7 US-11-056-355B-91326	Sequence 91326, A
20	81.5	6.6	428	7 US-11-056-355B-95082	Sequence 95082, A
21	81	6.5	255	6 US-10-449-902-48653	Sequence 48653, A
22	79.5	6.4	145	7 US-11-056-355B-706	Sequence 706, App
23	79.5	6.4	422	6 US-10-449-902-39838	Sequence 39838, A
24	79.5	6.4	422	6 US-11-174-307B-4774	Sequence 4774, App
25	79	6.4	413	6 US-10-953-349-7231	Sequence 7231, App
26	79	6.4	413	6 US-10-953-349-11011	Sequence 11011, A
27	79	6.4	557	6 US-10-953-349-7230	Sequence 7230, App
28	79	6.4	557	6 US-10-953-349-7230	Sequence 7230, App

29	79	6.4	557	6 US-10-953-349-11010	Sequence 11010, A
30	79	6.4	562	6 US-10-953-349-7229	Sequence 7229, App
31	79	6.4	570	6 US-10-953-349-11009	Sequence 11009, A
32	78	6.3	317	6 US-10-471-571A-974	Sequence 974, App
33	78	6.3	423	6 US-10-449-902-43517	Sequence 43517, A
34	78	6.3	430	7 US-11-056-355B-3582	Sequence 3582, App
35	78	6.3	500	6 US-10-953-349-25059	Sequence 25059, A
36	78	6.3	507	6 US-10-953-349-25058	Sequence 25058, A
37	77.5	6.2	289	6 US-10-449-902-40082	Sequence 40082, A
38	77.5	6.2	507	6 US-10-449-902-46178	Sequence 46178, A
39	77	6.2	269	7 US-11-056-355B-72379	Sequence 72379, A
40	77	6.2	334	7 US-11-056-355B-71413	Sequence 71413, A
41	77	6.2	334	7 US-11-056-355B-72378	Sequence 72378, A
42	77	6.2	363	7 US-11-056-355B-71412	Sequence 71412, A
43	77	6.2	379	7 US-11-174-307B-124	Sequence 124, App
44	77	6.2	379	7 US-11-056-355B-72377	Sequence 72377, A
45	77	6.2	381	7 US-11-056-355B-71411	Sequence 71411, A
46	77	6.2	420	7 US-11-056-355B-67549	Sequence 67549, A
47	77	6.2	448	7 US-11-056-355B-67548	Sequence 67548, A
48	76.5	6.2	240	6 US-10-953-349-39952	Sequence 39952, A
49	76.5	6.2	491	6 US-10-449-902-37403	Sequence 37403, A
50	76	6.1	160	7 US-11-056-355B-9354	Sequence 9354, App
51	76	6.1	165	7 US-11-056-355B-9353	Sequence 9353, App
52	76	6.1	465	6 US-10-449-902-50125	Sequence 50125, A
53	76	6.1	485	6 US-10-953-349-25060	Sequence 25060, A
54	75.5	6.1	448	6 US-10-953-349-34240	Sequence 34240, A
55	75.5	6.1	453	6 US-10-953-349-42424	Sequence 42424, A
56	75.5	6.1	502	6 US-10-953-349-34239	Sequence 34239, A
57	75.5	6.1	502	6 US-10-953-349-34239	Sequence 34239, A
58	75	6.0	293	7 US-10-953-349-31148	Sequence 31148, A
59	75	6.0	296	7 US-11-056-355B-3028	Sequence 3028, App
60	75	6.0	308	7 US-11-056-355B-3027	Sequence 3027, App
61	75	6.0	539	6 US-10-449-902-50636	Sequence 50636, A
62	75	6.0	563	7 US-11-174-307B-4904	Sequence 4904, App
63	75	6.0	617	6 US-10-449-902-59325	Sequence 59325, A
64	74.5	6.0	512	7 US-11-056-355B-78656	Sequence 78656, A
65	74.5	6.0	533	7 US-10-540-311-8	Sequence 8, Appl1
66	74.5	6.0	875	6 US-10-199-229-910	Sequence 19, Appl1
67	74	6.0	306	6 US-10-953-349-19617	Sequence 19617, A
68	74	6.0	306	6 US-11-056-355B-58757	Sequence 58757, A
69	74	6.0	317	6 US-10-953-349-19616	Sequence 19616, A
70	74	6.0	317	6 US-11-056-355B-58756	Sequence 58756, A
71	74	6.0	318	6 US-10-953-349-19615	Sequence 19615, A
72	74	6.0	318	6 US-11-056-355B-58755	Sequence 58755, A
73	74	6.0	367	6 US-10-449-902-49073	Sequence 49073, A
74	74	6.0	758	6 US-10-449-902-47994	Sequence 47994, A
75	73.5	5.9	112	7 US-11-056-355B-20297	Sequence 20297, A
76	73.5	5.9	185	6 US-10-449-902-31711	Sequence 31711, A
77	73.5	5.9	185	6 US-10-449-902-32897	Sequence 32897, A
78	73.5	5.9	525	7 US-10-449-902-11449	Sequence 11449, A
79	73.5	5.9	525	7 US-11-056-355B-73097	Sequence 73097, A
80	73.5	5.9	527	7 US-11-056-355B-73096	Sequence 73096, A
81	73.5	5.9	698	7 US-11-056-355B-73095	Sequence 73095, A
82	73	5.9	243	6 US-10-449-902-52895	Sequence 52895, A
83	73	5.9	246	7 US-11-293-697-2996	Sequence 2996, App
84	73	5.9	343	7 US-11-154-977-99	Sequence 99, Appl1
85	73	5.9	347	7 US-11-056-355B-91136	Sequence 91136, A
86	73	5.9	347	7 US-11-056-355B-94892	Sequence 94892, A
87	73	5.9	506	7 US-11-056-355B-11257	Sequence 11257, A
88	73	5.9	656	7 US-11-293-697-2611	Sequence 2611, App
89	73	5.9	3487	7 US-11-063-439-162	Sequence 162, App
90	72.5	5.8	147	7 US-11-056-355B-26542	Sequence 26542, A
91	72.5	5.8	147	7 US-11-056-355B-44146	Sequence 44146, A
92	72.5	5.8	147	7 US-11-056-355B-103282	Sequence 103282, A
93	72.5	5.8	147	7 US-11-056-355B-114521	Sequence 114521, A
94	72.5	5.8	186	7 US-11-056-355B-26541	Sequence 26541, A
95	72.5	5.8	186	7 US-11-056-355B-44145	Sequence 44145, A
96	72.5	5.8	186	7 US-11-056-355B-103281	Sequence 103281, A
97	72.5	5.8	186	7 US-11-056-355B-114520	Sequence 114520, A
98	72.5	5.8	243	7 US-11-056-355B-26540	Sequence 26540, A
99	72.5	5.8	243	7 US-11-056-355B-103280	Sequence 103280, A
100	72.5	5.8	243	7 US-11-056-355B-114519	Sequence 114519, A
101	72.5	5.8	295	6 US-10-540-311-9	Sequence 9, Appl1

102	72.5	5.8	344	6	US-10-953-349-33123	Sequence 33123, A	175	70.5	5.7	419	7	US-11-056-355B-110834	Sequence 110834, A
103	72.5	5.8	358	6	US-10-953-349-14574	Sequence 14574, A	176	70.5	5.7	421	7	US-11-056-355B-4362	Sequence 4362, Ap
104	72.5	5.8	358	6	US-11-056-355B-58893	Sequence 58893, A	177	70.5	5.7	449	7	US-11-056-355B-72928	Sequence 72928, A
105	72.5	5.8	365	7	US-11-056-355B-82829	Sequence 82829, A	178	70.5	5.7	450	6	US-10-953-349-7335	Sequence 7335, Ap
106	72.5	5.8	368	6	US-10-953-349-14573	Sequence 14573, A	179	70.5	5.7	450	7	US-11-056-355B-40889	Sequence 40889, A
107	72.5	5.8	368	7	US-11-056-355B-58892	Sequence 58892, A	180	70.5	5.7	450	7	US-11-056-355B-99594	Sequence 99594, A
108	72.5	5.8	428	6	US-10-953-349-14572	Sequence 14572, A	181	70.5	5.7	450	7	US-11-056-355B-110833	Sequence 110833, A
109	72.5	5.8	428	6	US-11-056-355B-58891	Sequence 58891, A	182	70.5	5.7	485	7	US-11-056-355B-72927	Sequence 72927, A
110	72.5	5.8	549	7	US-11-056-355B-72608	Sequence 72608, A	183	70.5	5.7	486	6	US-10-953-349-7334	Sequence 7334, Ap
111	72.5	5.8	631	7	US-11-056-355B-72607	Sequence 72607, A	184	70.5	5.7	486	6	US-11-056-355B-40888	Sequence 40888, A
112	72.5	5.8	632	7	US-11-174-307B-140	Sequence 140, App	185	70.5	5.7	486	7	US-11-056-355B-99593	Sequence 99593, A
113	72.5	5.8	632	7	US-11-056-355B-72606	Sequence 72606, A	186	70.5	5.7	486	7	US-11-056-355B-110832	Sequence 110832, A
114	72.5	5.8	705	7	US-11-056-355B-98009	Sequence 98009, A	187	70.5	5.7	504	6	US-10-953-349-7333	Sequence 7333, Ap
115	72.5	5.8	705	7	US-11-056-355B-109248	Sequence 109248, A	188	70.5	5.7	504	7	US-11-056-355B-40887	Sequence 40887, A
116	72	5.8	249	6	US-10-953-349-37468	Sequence 37468, A	189	70.5	5.7	705	7	US-11-056-355B-46466	Sequence 46466, A
117	72	5.8	249	7	US-11-174-307B-5356	Sequence 5356, Ap	190	70.5	5.7	1016	6	US-10-449-902-33402	Sequence 33402, A
118	72	5.8	249	7	US-11-056-355B-10163	Sequence 10163, A	191	70	5.6	417	6	US-10-449-902-38718	Sequence 38718, A
119	72	5.8	266	6	US-10-953-349-37467	Sequence 37467, A	192	70	5.6	429	7	US-11-056-355B-13618	Sequence 13618, A
120	72	5.8	266	7	US-11-056-355B-10162	Sequence 10162, A	193	70	5.6	431	7	US-11-056-355B-13617	Sequence 13617, A
121	72	5.8	304	7	US-11-056-355B-72268	Sequence 72268, A	194	70	5.6	449	7	US-11-056-355B-13616	Sequence 13616, A
122	72	5.8	308	7	US-11-056-355B-72267	Sequence 72267, A	195	70	5.6	535	7	US-11-174-307B-4748	Sequence 4748, Ap
123	72	5.8	325	7	US-11-056-355B-72266	Sequence 72266, A	196	70	5.6	540	6	US-10-449-902-35278	Sequence 35278, A
124	72	5.8	333	7	US-11-056-355B-85111	Sequence 85111, A	197	70	5.6	540	6	US-10-449-902-34146	Sequence 34146, A
125	72	5.8	335	7	US-11-056-355B-85110	Sequence 85110, A	198	70	5.6	737	6	US-10-449-902-38102	Sequence 38102, A
126	72	5.8	337	7	US-11-056-355B-85109	Sequence 85109, A	199	70	5.6	976	7	US-11-056-355B-73839	Sequence 73839, A
127	72	5.8	341	6	US-10-953-349-32747	Sequence 32747, A	200	70	5.6	990	7	US-11-056-355B-73839	Sequence 73839, A
128	72	5.8	341	7	US-11-056-355B-65245	Sequence 65245, A	201	70	5.6	998	7	US-11-056-355B-82050	Sequence 82050, A
129	72	5.8	422	6	US-10-520-783-16	Sequence 16, App1	202	70	5.6	1004	7	US-11-056-355B-82049	Sequence 82049, A
130	72	5.8	425	6	US-10-953-349-32746	Sequence 32746, A	203	70	5.6	1012	7	US-11-056-355B-73838	Sequence 73838, A
131	72	5.8	425	7	US-11-056-355B-65244	Sequence 65244, A	204	70	5.6	1012	7	US-11-056-355B-73837	Sequence 73837, A
132	72	5.8	467	7	US-11-056-355B-70629	Sequence 70629, A	205	70	5.6	1018	6	US-10-953-349-88473	Sequence 88473, A
133	72	5.8	482	6	US-10-953-349-32745	Sequence 32745, A	206	69.5	5.6	188	7	US-11-056-355B-65170	Sequence 65170, A
134	72	5.8	482	7	US-11-056-355B-65243	Sequence 65243, A	207	69.5	5.6	188	7	US-10-449-902-29061	Sequence 29061, A
135	72	5.8	513	7	US-11-056-355B-70628	Sequence 70628, A	208	69.5	5.6	212	6	US-10-953-349-28472	Sequence 28472, A
136	72	5.8	955	6	US-10-449-902-11322	Sequence 41322, A	209	69.5	5.6	212	6	US-10-953-349-28471	Sequence 28471, A
137	72	5.8	1605	7	US-11-056-355B-88407	Sequence 88407, A	210	69.5	5.6	212	6	US-11-056-355B-65169	Sequence 65169, A
138	72	5.8	1605	7	US-11-056-355B-92163	Sequence 92163, A	211	69.5	5.6	304	7	US-10-449-902-88110	Sequence 88110, A
139	72	5.8	1646	7	US-11-056-355B-88406	Sequence 88406, A	212	69.5	5.6	450	6	US-10-713-6484-68	Sequence 6484, A
140	72	5.8	1646	7	US-11-056-355B-92162	Sequence 92162, A	213	69.5	5.6	552	6	US-11-121-154-193	Sequence 121, App1
141	72	5.8	1773	7	US-11-056-355B-88405	Sequence 88405, A	214	69.5	5.6	627	6	US-11-263-326-2	Sequence 2, App1
142	72	5.8	1773	7	US-11-056-355B-92161	Sequence 92161, A	215	69.5	5.6	791	7	US-11-263-326-4	Sequence 4, App1
143	71.5	5.8	264	7	US-11-354-653-10	Sequence 30, App1	216	69.5	5.6	862	6	US-10-199-229-14	Sequence 14, App1
144	71.5	5.8	306	6	US-10-449-902-66183	Sequence 46183, A	217	69.5	5.6	879	6	US-10-449-902-33345	Sequence 33345, A
145	71.5	5.8	317	6	US-10-953-349-33124	Sequence 33124, A	218	69.5	5.6	1466	6	US-11-263-326-171	Sequence 171, App
146	71.5	5.8	331	6	US-10-449-902-32293	Sequence 32293, A	219	69.5	5.6	1466	7	US-10-985-570-1	Sequence 1, App1
147	71.5	5.8	340	6	US-10-953-349-18392	Sequence 18392, A	220	69.5	5.6	1466	7	US-11-105-233-44	Sequence 44, App1
148	71.5	5.8	340	7	US-11-056-355B-53873	Sequence 53873, A	221	69.5	5.6	1466	7	US-11-105-233-167	Sequence 167, App
149	71.5	5.8	408	6	US-10-953-349-18391	Sequence 18391, A	222	69.5	5.6	1795	7	US-11-263-326-124	Sequence 124, App
150	71.5	5.8	408	7	US-11-056-355B-53872	Sequence 53872, A	223	69.5	5.6	1855	7	US-11-263-326-125	Sequence 125, App
151	71.5	5.8	445	6	US-10-953-349-18390	Sequence 18390, A	224	69.5	5.6	1891	7	US-11-263-326-173	Sequence 173, App
152	71.5	5.8	445	7	US-11-056-355B-53871	Sequence 53871, A	225	69.5	5.6	1998	7	US-11-313-450-2	Sequence 2, App1
153	71.5	5.8	686	6	US-10-449-902-45659	Sequence 45659, A	226	69.5	5.6	2009	7	US-11-263-326-2	Sequence 2, App1
154	71.5	5.8	865	6	US-10-449-902-45659	Sequence 45659, A	227	69.5	5.6	2009	7	US-11-263-326-4	Sequence 4, App1
155	71.5	5.8	868	6	US-10-449-902-44069	Sequence 44069, A	228	69.5	5.6	2009	7	US-11-263-326-6	Sequence 6, App1
156	71.5	5.8	3711	7	US-11-063-439-261	Sequence 261, App	229	69.5	5.6	2009	7	US-11-263-326-10	Sequence 10, App1
157	71	5.7	268	7	US-11-056-355B-23833	Sequence 23833, A	230	69.5	5.6	2009	7	US-11-263-326-12	Sequence 12, App
158	71	5.7	268	7	US-11-056-355B-98877	Sequence 98877, A	231	69.5	5.6	2009	7	US-11-263-326-121	Sequence 121, App
159	71	5.7	268	7	US-11-056-355B-110116	Sequence 110116, A	232	69.5	5.6	2009	7	US-11-263-326-122	Sequence 122, App
160	71	5.7	324	7	US-11-056-355B-23832	Sequence 23832, A	233	69.5	5.6	2009	7	US-11-263-326-123	Sequence 123, App
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163	71	5.7	401	7	US-11-056-355B-23831	Sequence 23831, A	236	69.5	5.6	2009	7	US-11-263-326-167	Sequence 167, App
164	71	5.7	406	7	US-11-056-355B-98875	Sequence 98875, A	237	69.5	5.6	2009	7	US-11-263-326-168	Sequence 168, App
165	71	5.7	406	7	US-11-056-355B-110114	Sequence 110114, A	238	69.5	5.6	2009	7	US-11-263-326-169	Sequence 169, App
166	70.5	5.7	304	7	US-11-056-355B-12555	Sequence 12555, A	239	69.5	5.6	2009	7	US-11-263-326-170	Sequence 170, App
167	70.5	5.7	310	6	US-10-449-902-41117	Sequence 41117, A	240	69.5	5.6	2009	7	US-11-263-326-172	Sequence 172, App
168	70.5	5.7	312	6	US-10-953-349-36569	Sequence 36569, A	241	69	5.6	202	7	US-11-056-355B-61921	Sequence 61921, A
169	70.5	5.7	333	6	US-10-953-349-36567	Sequence 36567, A	242	69	5.6	243	7	US-11-056-355B-61920	Sequence 61920, A
170	70.5	5.7	350	6	US-10-449-902-36477	Sequence 36477, A	243	69	5.6	250	7	US-11-056-355B-61919	Sequence 61919, A
171	70.5	5.7	388	7	US-11-056-355B-12554	Sequence 12554, A	244	69	5.6	289	7	US-11-056-355B-66624	Sequence 66624, A
172	70.5	5.7	412	7	US-11-056-355B-12553	Sequence 12553, A	245	69	5.6	315	6	US-10-471-571A-1458	Sequence 1428, Ap
173	70.5	5.7	419	7	US-11-056-355B-72929	Sequence 72929, A	246	69	5.6	355	7	US-11-056-355B-99516	Sequence 99516, A
174	70.5	5.7	419	7	US-11-056-355B-99595	Sequence 99595, A	247	69	5.6	358	7	US-11-056-355B-99515	Sequence 99515, A

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252	69	5.6	656	6	US-10-449-902-53611	Sequence 53611, A	325	67.5	5.4	523	6	US-10-449-902-53421	Sequence 53421, A
253	69	5.6	707	7	US-11-121-154-164	Sequence 164, App	326	67.5	5.4	534	6	US-10-449-902-44050	Sequence 44050, A
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256	69	5.6	879	7	US-11-293-697-3099	Sequence 3099, App	329	67.5	5.4	709	6	US-10-449-902-72375	Sequence 72375, A
257	69	5.6	933	7	US-11-121-154-178	Sequence 178, App	330	67.5	5.4	864	6	US-10-953-349-3928	Sequence 3928, App
258	69	5.6	941	7	US-11-056-355B-72901	Sequence 72901, A	331	67.5	5.4	866	6	US-10-953-349-3927	Sequence 3927, App
259	69	5.6	1009	6	US-10-449-902-42923	Sequence 42923, A	332	67.5	5.4	951	6	US-10-953-349-3926	Sequence 9926, App
260	69	5.6	3496	7	US-11-063-439-125	Sequence 125, App	333	67.5	5.4	2627	6	US-10-547-530-5	Sequence 5, App11
261	68.5	5.5	218	6	US-10-953-349-22149	Sequence 22149, A	334	67	5.4	224	6	US-10-449-902-34709	Sequence 34709, A
262	68.5	5.5	218	7	US-11-056-355B-56987	Sequence 56987, A	335	67	5.4	225	7	US-11-056-355B-16553	Sequence 16553, A
263	68.5	5.5	238	6	US-10-953-349-22148	Sequence 22148, A	336	67	5.4	247	6	US-10-449-902-49598	Sequence 49598, A
264	68.5	5.5	238	6	US-11-056-355B-56986	Sequence 56986, A	337	67	5.4	257	6	US-10-449-902-32544	Sequence 32544, A
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266	68.5	5.5	281	7	US-11-056-355B-56985	Sequence 56985, A	339	67	5.4	319	6	US-10-449-902-55779	Sequence 55779, A
267	68.5	5.5	306	7	US-11-056-355B-13195	Sequence 13195, A	340	67	5.4	356	6	US-10-953-349-38553	Sequence 38553, A
268	68.5	5.5	338	7	US-10-449-902-39556	Sequence 39556, A	341	67	5.4	364	7	US-11-056-355B-16534	Sequence 16534, A
269	68.5	5.5	342	7	US-11-056-355B-13194	Sequence 13194, A	342	67	5.4	383	7	US-11-056-355B-16533	Sequence 16533, A
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271	68.5	5.5	374	6	US-10-953-349-3396	Sequence 9396, App	344	67	5.4	424	6	US-10-449-902-37326	Sequence 37326, A
272	68.5	5.5	377	6	US-10-449-902-52173	Sequence 52173, A	345	67	5.4	424	6	US-10-449-902-55177	Sequence 55177, A
273	68.5	5.5	398	6	US-10-953-349-3395	Sequence 9395, App	346	67	5.4	464	6	US-10-449-902-52339	Sequence 52339, A
274	68.5	5.5	398	7	US-11-056-355B-76703	Sequence 76703, A	347	67	5.4	465	6	US-10-449-902-82962	Sequence 82962, A
275	68.5	5.5	401	6	US-10-953-349-9394	Sequence 9394, App	348	67	5.4	480	6	US-10-953-349-38552	Sequence 38552, A
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277	68.5	5.5	410	7	US-11-056-355B-76701	Sequence 76701, A	350	67	5.4	504	6	US-10-953-349-3790	Sequence 3790, App
278	68.5	5.5	485	6	US-10-449-902-52781	Sequence 52781, A	351	67	5.4	504	7	US-11-056-355B-39781	Sequence 39781, A
279	68.5	5.5	495	6	US-10-449-902-51468	Sequence 51468, A	352	67	5.4	504	7	US-11-056-355B-78314	Sequence 78314, A
280	68.5	5.5	607	6	US-10-449-902-43494	Sequence 43494, A	353	67	5.4	511	7	US-11-121-154-86	Sequence 96, App1
281	68.5	5.5	959	6	US-10-449-902-45072	Sequence 45072, A	354	67	5.4	516	6	US-10-449-902-33653	Sequence 33653, A
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283	68	5.5	256	6	US-11-056-355B-35302	Sequence 35302, A	356	67	5.4	577	6	US-10-449-902-38621	Sequence 38621, A
284	68	5.5	257	6	US-10-449-902-56568	Sequence 56568, A	357	67	5.4	580	6	US-10-953-349-3789	Sequence 3789, App
285	68	5.5	422	6	US-10-449-902-45618	Sequence 45618, A	358	67	5.4	580	7	US-11-056-355B-39780	Sequence 39780, A
286	68	5.5	439	6	US-10-449-902-46885	Sequence 46885, A	359	67	5.4	580	7	US-11-056-355B-78213	Sequence 78213, A
287	68	5.5	445	6	US-10-953-349-10690	Sequence 10690, A	360	67	5.4	594	6	US-10-953-349-3788	Sequence 6788, App
288	68	5.5	490	6	US-10-449-902-46768	Sequence 46768, A	361	67	5.4	594	7	US-11-056-355B-39779	Sequence 39779, A
289	68	5.5	501	7	US-11-056-355B-41589	Sequence 41589, A	362	67	5.4	594	7	US-11-056-355B-78312	Sequence 78312, A
290	68	5.5	501	7	US-11-056-355B-77987	Sequence 77987, A	363	67	5.4	665	6	US-10-449-902-47070	Sequence 47070, A
291	68	5.5	514	6	US-10-953-349-24472	Sequence 24472, A	364	67	5.4	900	6	US-10-839-442A-22	Sequence 22, App1
292	68	5.5	514	7	US-11-056-355B-57174	Sequence 57174, A	365	67	5.4	1083	7	US-11-293-697-3674	Sequence 3674, App
293	68	5.5	524	7	US-11-056-355B-77986	Sequence 77986, A	366	66.5	5.4	148	6	US-10-449-902-32094	Sequence 32094, A
294	68	5.5	526	7	US-11-056-355B-41588	Sequence 41588, A	367	66.5	5.4	148	6	US-10-449-902-44826	Sequence 44826, A
295	68	5.5	546	7	US-11-056-355B-77985	Sequence 77985, A	368	66.5	5.4	184	7	US-11-056-355B-44749	Sequence 44749, A
296	68	5.5	550	7	US-11-056-355B-82017	Sequence 82017, A	369	66.5	5.4	184	7	US-11-056-355B-86696	Sequence 86696, A
297	68	5.5	652	6	US-10-449-902-52471	Sequence 52471, A	370	66.5	5.4	256	7	US-11-056-355B-6323	Sequence 6323, App
298	68	5.5	658	7	US-11-056-355B-82016	Sequence 82016, A	371	66.5	5.4	277	7	US-11-319-902-45	Sequence 45, App1
299	68	5.5	675	7	US-11-056-355B-82015	Sequence 82015, A	372	66.5	5.4	305	6	US-10-449-902-30954	Sequence 30954, A
300	68	5.5	738	7	US-11-273-537-33	Sequence 33, App1	373	66.5	5.4	305	6	US-10-449-902-32481	Sequence 32481, A
301	68	5.5	878	7	US-11-056-355B-87772	Sequence 87772, A	374	66.5	5.4	305	6	US-10-449-902-33152	Sequence 33152, A
302	68	5.5	896	7	US-11-056-355B-87771	Sequence 87771, A	375	66.5	5.4	305	6	US-10-449-902-8979	Sequence 8979, A
303	68	5.5	902	7	US-11-056-355B-87770	Sequence 87770, A	376	66.5	5.4	305	6	US-10-449-902-86695	Sequence 86695, A
304	68	5.5	943	6	US-10-449-902-52181	Sequence 52181, A	377	66.5	5.4	322	7	US-11-056-355B-86695	Sequence 86695, A
305	68	5.5	1428	6	US-11-299-791-22	Sequence 22, App1	378	66.5	5.4	382	6	US-10-449-902-29136	Sequence 29136, A
306	67.5	5.4	173	6	US-10-449-902-46082	Sequence 46082, A	379	66.5	5.4	333	6	US-11-056-355B-86694	Sequence 86694, A
307	67.5	5.4	185	6	US-10-449-902-37585	Sequence 37585, A	380	66.5	5.4	350	6	US-10-449-902-46058	Sequence 46058, A
308	67.5	5.4	185	6	US-10-449-902-56604	Sequence 56604, A	381	66.5	5.4	350	6	US-11-056-355B-44747	Sequence 44747, A
309	67.5	5.4	240	7	US-11-056-355B-21830	Sequence 21830, A	382	66.5	5.4	359	6	US-10-953-349-31281	Sequence 31281, A
310	67.5	5.4	240	7	US-11-056-355B-99688	Sequence 99688, A	383	66.5	5.4	359	7	US-11-056-355B-67426	Sequence 67426, A
311	67.5	5.4	240	7	US-11-056-355B-110937	Sequence 110937, A	384	66.5	5.4	382	6	US-10-449-902-29136	Sequence 29136, A
312	67.5	5.4	290	6	US-10-471-571A-1354	Sequence 1354, App	385	66.5	5.4	384	6	US-10-449-902-30947	Sequence 30947, A
313	67.5	5.4	353	6	US-10-449-902-33385	Sequence 33385, A	386	66.5	5.4	394	6	US-10-449-902-78018	Sequence 78018, A
314	67.5	5.4	354	6	US-10-449-902-40808	Sequence 40808, A	387	66.5	5.4	414	6	US-10-449-902-32009	Sequence 32009, A
315	67.5	5.4	358	7	US-11-056-355B-90267	Sequence 90267, A	388	66.5	5.4	422	6	US-10-449-902-82648	Sequence 82648, A
316	67.5	5.4	358	7	US-11-056-355B-94023	Sequence 94023, A	389	66.5	5.4	470	6	US-10-449-902-32007	Sequence 32007, A
317	67.5	5.4	358	7	US-11-056-355B-90266	Sequence 90266, A	390	66.5	5.4	470	6	US-10-953-349-31280	Sequence 31280, A
318	67.5	5.4	368	7	US-11-056-355B-94022	Sequence 94022, A	391	66.5	5.4	470	6	US-11-056-355B-67425	Sequence 67425, A
319	67.5	5.4	428	7	US-11-056-355B-90265	Sequence 90265, A	392	66.5	5.4	492	6	US-10-953-349-31279	Sequence 31279, A
320	67.5	5.4	428	7	US-11-056-355B-94021	Sequence 94021, A	393	66.5	5.4	494	6	US-10-449-902-36798	Sequence 36798, A

394	66.5	5.4	494	6	US-10-449-902-46106	Sequence 46106, A	467	65.5	5.3	377	7	US-11-056-355B-90700	Sequence 90700, A
395	66.5	5.4	533	6	US-10-449-902-39997	Sequence 39997, A	468	65.5	5.3	377	7	US-11-056-355B-94456	Sequence 94456, A
396	66.5	5.4	563	6	US-10-953-349-1812	Sequence 1812, Ap	469	65.5	5.3	395	7	US-11-056-355B-80527	Sequence 80527, A
397	66.5	5.4	610	7	US-11-056-355B-76895	Sequence 76895, A	470	65.5	5.3	427	7	US-11-056-355B-36782	Sequence 36782, A
398	66.5	5.4	610	7	US-11-056-355B-95961	Sequence 95961, A	471	65.5	5.3	444	7	US-11-056-355B-36781	Sequence 36781, A
399	66.5	5.4	612	6	US-10-449-902-47628	Sequence 47628, A	472	65.5	5.3	489	6	US-10-449-902-48980	Sequence 48980, A
400	66.5	5.4	657	7	US-11-056-355B-76994	Sequence 76994, A	473	65.5	5.3	491	7	US-11-056-355B-90699	Sequence 90699, A
401	66.5	5.4	657	7	US-11-056-355B-95960	Sequence 95960, A	474	65.5	5.3	491	7	US-11-056-355B-94455	Sequence 94455, A
402	66.5	5.4	718	7	US-11-056-355B-76993	Sequence 76993, A	475	65.5	5.3	566	7	US-11-056-355B-106464	Sequence 106464, A
403	66.5	5.4	718	7	US-11-056-355B-95959	Sequence 95959, A	476	65.5	5.3	566	7	US-11-056-355B-117703	Sequence 117703, A
404	66.5	5.4	779	7	US-11-293-697-3293	Sequence 3293, Ap	477	65.5	5.3	582	6	US-10-449-902-47944	Sequence 47944, A
405	66.5	5.4	1080	7	US-11-273-537-81	Sequence 21, Appl	478	65.5	5.3	582	6	US-10-449-902-52135	Sequence 52135, A
406	66.5	5.4	1212	6	US-10-449-902-46235	Sequence 46235, A	479	65.5	5.3	575	7	US-11-056-355B-106463	Sequence 106463, A
407	66.5	5.4	3882	6	US-10-953-349-5549	Sequence 5549, Ap	480	65.5	5.3	576	7	US-11-056-355B-117702	Sequence 117702, A
408	66.5	5.4	3978	6	US-10-953-349-5548	Sequence 5548, Ap	481	65.5	5.3	563	7	US-11-056-355B-70333	Sequence 70333, A
409	66.5	5.4	4118	6	US-10-953-349-5547	Sequence 5547, Ap	482	65.5	5.3	615	7	US-11-056-355B-106462	Sequence 106462, A
410	66	5.3	248	7	US-11-056-355B-56551	Sequence 56551, A	483	65.5	5.3	615	7	US-11-056-355B-117701	Sequence 117701, A
411	66	5.3	277	7	US-11-056-355B-89762	Sequence 89762, A	484	65.5	5.3	699	7	US-11-056-355B-70332	Sequence 70332, A
412	66	5.3	277	7	US-11-056-355B-93518	Sequence 93518, A	485	65.5	5.3	685	7	US-11-056-355B-72743	Sequence 72743, A
413	66	5.3	290	7	US-11-056-355B-56550	Sequence 56550, A	486	65.5	5.3	687	7	US-11-056-355B-72743	Sequence 72743, A
414	66	5.3	291	7	US-11-056-355B-42006	Sequence 42006, A	487	65.5	5.3	925	7	US-11-056-355B-70331	Sequence 70331, A
415	66	5.3	291	7	US-11-056-355B-71910	Sequence 71910, A	488	65.5	5.3	1674	6	US-10-511-937-2587	Sequence 12974, A
416	66	5.3	291	7	US-11-056-355B-76325	Sequence 76325, A	489	65	5.2	149	7	US-11-056-355B-12974	Sequence 12974, A
417	66	5.3	291	7	US-11-056-355B-102340	Sequence 102340, A	490	65	5.2	162	6	US-10-449-902-35020	Sequence 28590, A
418	66	5.3	291	7	US-11-056-355B-113579	Sequence 113579, A	491	65	5.2	212	7	US-11-056-355B-22859	Sequence 22859, A
419	66	5.3	304	7	US-11-056-355B-42005	Sequence 42005, A	492	65	5.2	216	6	US-10-953-349-25162	Sequence 25162, A
420	66	5.3	304	7	US-11-056-355B-71909	Sequence 71909, A	493	65	5.2	216	7	US-11-056-355B-57298	Sequence 57298, A
421	66	5.3	304	7	US-11-056-355B-76324	Sequence 76324, A	494	65	5.2	224	7	US-11-056-355B-5131	Sequence 5131, Ap
422	66	5.3	304	7	US-11-056-355B-102339	Sequence 102339, A	495	65	5.2	225	7	US-11-056-355B-22858	Sequence 22858, A
423	66	5.3	304	7	US-11-056-355B-113578	Sequence 113578, A	496	65	5.2	245	6	US-10-449-902-45791	Sequence 45791, A
424	66	5.3	315	6	US-10-449-902-35347	Sequence 35347, A	497	65	5.2	249	7	US-11-056-355B-3439	Sequence 3439, Ap
425	66	5.3	320	7	US-11-056-355B-100942	Sequence 100942, A	498	65	5.2	250	7	US-11-056-355B-5130	Sequence 5130, Ap
426	66	5.3	320	7	US-11-056-355B-112181	Sequence 112181, A	499	65	5.2	263	7	US-11-056-355B-22857	Sequence 22857, A
427	66	5.3	340	6	US-10-655-989-1	Sequence 112181, A	500	65	5.2	287	6	US-10-953-349-22272	Sequence 22272, A
428	66	5.3	342	7	US-11-056-355B-42004	Sequence 42004, A	501	65	5.2	287	6	US-11-056-355B-60455	Sequence 60455, A
429	66	5.3	342	7	US-11-056-355B-71908	Sequence 71908, A	502	65	5.2	288	6	US-10-953-349-22271	Sequence 22271, A
430	66	5.3	342	7	US-11-056-355B-76323	Sequence 76323, A	503	65	5.2	289	7	US-11-056-355B-60454	Sequence 60454, A
431	66	5.3	342	7	US-11-056-355B-102338	Sequence 102338, A	504	65	5.2	311	7	US-11-056-355B-5129	Sequence 5129, Ap
432	66	5.3	342	7	US-11-056-355B-113577	Sequence 113577, A	505	65	5.2	332	6	US-10-449-902-35279	Sequence 35279, A
433	66	5.3	354	6	US-10-449-902-45027	Sequence 45027, A	506	65	5.2	343	7	US-11-056-355B-5121	Sequence 5121, Ap
434	66	5.3	362	7	US-11-056-355B-89761	Sequence 89761, A	507	65	5.2	350	7	US-11-056-355B-3438	Sequence 3438, Ap
435	66	5.3	362	7	US-11-056-355B-93517	Sequence 93517, A	508	65	5.2	371	7	US-11-056-355B-72194	Sequence 72194, A
436	66	5.3	365	7	US-11-056-355B-89760	Sequence 89760, A	509	65	5.2	371	7	US-11-056-355B-72174	Sequence 72174, A
437	66	5.3	365	7	US-11-056-355B-93516	Sequence 93516, A	510	65	5.2	397	7	US-11-056-355B-71793	Sequence 71793, A
438	66	5.3	451	6	US-10-953-349-36465	Sequence 36465, A	511	65	5.2	397	7	US-11-056-355B-72173	Sequence 72173, A
439	66	5.3	469	6	US-10-953-349-36464	Sequence 36464, A	512	65	5.2	432	6	US-10-449-902-37640	Sequence 37640, A
440	66	5.3	477	6	US-10-449-902-49143	Sequence 49143, A	513	65	5.2	432	6	US-10-449-902-45474	Sequence 45474, A
441	66	5.3	489	7	US-11-056-355B-100941	Sequence 100941, A	514	65	5.2	432	6	US-10-449-902-55414	Sequence 55414, A
442	66	5.3	489	7	US-11-056-355B-112180	Sequence 112180, A	515	65	5.2	438	7	US-11-056-355B-41590	Sequence 41590, A
443	66	5.3	498	7	US-11-056-355B-100940	Sequence 100940, A	516	65	5.2	455	7	US-11-056-355B-72172	Sequence 72172, A
444	66	5.3	498	7	US-11-056-355B-112179	Sequence 112179, A	517	65	5.2	473	7	US-11-056-355B-13756	Sequence 13756, A
445	66	5.3	504	6	US-10-449-902-55734	Sequence 55734, A	518	65	5.2	474	7	US-11-056-355B-13755	Sequence 13755, A
446	66	5.3	520	6	US-10-449-902-38507	Sequence 38507, A	519	65	5.2	479	7	US-11-174-3078B-104	Sequence 104, App
447	66	5.3	525	6	US-10-449-902-47402	Sequence 47402, A	520	65	5.2	479	7	US-11-056-355B-71792	Sequence 71792, A
448	66	5.3	574	6	US-11-121-154-49	Sequence 49, Appl	521	65	5.2	487	7	US-11-056-355B-79676	Sequence 79676, A
449	66	5.3	575	6	US-10-953-349-6447	Sequence 6447, Ap	522	65	5.2	498	7	US-11-056-355B-79675	Sequence 79675, A
450	66	5.3	627	6	US-10-953-349-6446	Sequence 6446, Ap	523	65	5.2	508	7	US-11-056-355B-79674	Sequence 79674, A
451	66	5.3	664	6	US-10-953-349-6445	Sequence 6445, Ap	524	65	5.2	547	6	US-10-449-902-43775	Sequence 43775, A
452	66	5.3	1134	6	US-10-449-902-51943	Sequence 51943, A	525	65	5.2	555	6	US-10-953-349-9774	Sequence 9774, Ap
453	66	5.3	1166	7	US-11-273-537-19	Sequence 19, Appl	526	65	5.2	557	7	US-11-056-355B-13754	Sequence 13754, A
454	65.5	5.3	196	7	US-11-056-355B-2779	Sequence 2779, Ap	527	65	5.2	559	6	US-10-449-902-88786	Sequence 28786, A
455	65.5	5.3	196	7	US-11-056-355B-7300	Sequence 7300, Ap	528	65	5.2	562	6	US-10-953-349-9773	Sequence 9773, Ap
456	65.5	5.3	224	6	US-10-449-902-53727	Sequence 53727, Ap	529	65	5.2	567	6	US-10-953-349-9772	Sequence 9772, Ap
457	65.5	5.3	248	6	US-10-953-349-26489	Sequence 26489, A	530	65	5.2	573	7	US-11-056-355B-46762	Sequence 46762, A
458	65.5	5.3	248	6	US-11-056-355B-65086	Sequence 65086, A	531	65	5.2	731	7	US-11-056-355B-46761	Sequence 46761, A
459	65.5	5.3	255	7	US-11-056-355B-2777	Sequence 2777, Ap	532	65	5.2	803	7	US-11-056-355B-46760	Sequence 46760, A
460	65.5	5.3	255	7	US-11-056-355B-7298	Sequence 7298, Ap	533	65	5.2	836	6	US-10-509-131-35	Sequence 35, Appl
461	65.5	5.3	267	6	US-10-449-902-32944	Sequence 32944, A	534	65	5.2	836	6	US-11-293-697-7700	Sequence 7700, Ap
462	65.5	5.3	318	6	US-10-531-973-2	Sequence 2, Appl1	535	65	5.2	966	6	US-10-511-455-2	Sequence 56168, A
463	65.5	5.3	331	6	US-10-449-902-47860	Sequence 47860, A	536	65	5.2	1026	6	US-10-511-455-2	Sequence 2, Appl1
464	65.5	5.3	338	7	US-11-056-355B-3583	Sequence 3583, Ap	537	65	5.2	3466	7	US-11-063-439-253	Sequence 253, App
465	65.5	5.3	365	7	US-11-056-355B-90701	Sequence 90701, A	538	65	5.2	3568	7	US-11-063-439-165	Sequence 165, App
466	65.5	5.3	365	7	US-11-056-355B-94457	Sequence 94457, A	539	64.5	5.2	176	7	US-11-056-355B-1240	Sequence 1240, Ap

540	64.5	5.2	195	6	US-10-953-349-23803	Sequence 23803, A	613	64.5	5.2	3496	7	US-11-063-439-123	Sequence 123, App
541	64.5	5.2	201	6	US-10-449-902-28923	Sequence 28923, A	614	64.5	5.2	3496	7	US-11-063-439-151	Sequence 151, App
542	64.5	5.2	206	6	US-10-953-349-16934	Sequence 16934, A	615	64.5	5.2	3496	7	US-11-063-439-237	Sequence 237, App
543	64.5	5.2	217	6	US-10-953-349-23802	Sequence 23802, A	616	64.5	5.2	3497	7	US-11-063-439-172	Sequence 172, App
544	64.5	5.2	223	6	US-10-953-349-23801	Sequence 23801, A	617	64.5	5.2	3497	7	US-11-063-439-180	Sequence 180, App
545	64.5	5.2	223	6	US-11-056-355B-56552	Sequence 56552, A	618	64.5	5.2	3498	7	US-11-063-439-164	Sequence 164, App
546	64.5	5.2	259	6	US-10-953-349-32850	Sequence 32850, A	619	64.5	5.2	3498	7	US-11-063-439-2138	Sequence 2138, App
547	64.5	5.2	259	6	US-11-056-355B-5533	Sequence 5533, App	620	64.5	5.2	3499	7	US-11-063-439-116	Sequence 116, App
548	64.5	5.2	260	7	US-11-056-355B-88908	Sequence 88908, A	621	64.5	5.2	3500	7	US-11-063-439-110	Sequence 110, App
549	64.5	5.2	260	7	US-11-056-355B-92664	Sequence 92664, A	622	64.5	5.2	3500	7	US-11-063-439-218	Sequence 218, App
550	64.5	5.2	276	6	US-10-953-349-16933	Sequence 16933, A	623	64.5	5.2	3503	7	US-11-063-439-140	Sequence 140, App
551	64.5	5.2	280	6	US-10-953-349-16932	Sequence 16932, A	624	64.5	5.2	3503	7	US-11-063-439-214	Sequence 214, App
552	64.5	5.2	284	7	US-11-056-355B-88907	Sequence 88907, A	625	64.5	5.2	3503	7	US-11-063-439-225	Sequence 225, App
553	64.5	5.2	284	7	US-11-056-355B-92663	Sequence 92663, A	626	64.5	5.2	3504	7	US-11-063-439-131	Sequence 131, App
554	64.5	5.2	289	6	US-10-953-349-32849	Sequence 32849, A	627	64.5	5.2	3507	7	US-11-063-439-196	Sequence 196, App
555	64.5	5.2	289	7	US-11-056-355B-5532	Sequence 5532, App	628	64.5	5.2	3508	7	US-11-063-439-166	Sequence 166, App
556	64.5	5.2	298	7	US-11-056-355B-88906	Sequence 88906, A	629	64.5	5.2	3508	7	US-11-063-439-168	Sequence 168, App
557	64.5	5.2	298	7	US-11-056-355B-92662	Sequence 92662, A	630	64.5	5.2	3508	7	US-11-063-439-254	Sequence 254, App
558	64.5	5.2	368	6	US-10-953-349-11599	Sequence 11599, A	631	64.5	5.2	3510	7	US-11-063-439-233	Sequence 233, App
559	64.5	5.2	378	6	US-10-953-349-11598	Sequence 11598, A	632	64.5	5.2	3524	7	US-11-063-439-179	Sequence 179, App
560	64.5	5.2	390	6	US-10-449-902-29068	Sequence 29068, A	633	64.5	5.2	3531	7	US-11-063-439-139	Sequence 139, App
561	64.5	5.2	404	6	US-10-449-902-34827	Sequence 34827, A	634	64.5	5.2	3541	7	US-11-063-439-229	Sequence 229, App
562	64.5	5.2	404	7	US-11-056-355B-82917	Sequence 82917, A	635	64.5	5.2	3551	7	US-11-063-439-238	Sequence 238, App
563	64.5	5.2	409	6	US-10-449-902-44865	Sequence 44865, A	636	64.5	5.2	3552	7	US-11-063-439-192	Sequence 192, App
564	64.5	5.2	450	7	US-11-056-355B-2151	Sequence 2151, App	637	64.5	5.2	3657	7	US-11-063-439-129	Sequence 129, App
565	64.5	5.2	456	6	US-10-449-902-45220	Sequence 45220, A	638	64	5.2	157	6	US-10-449-902-39201	Sequence 39201, A
566	64.5	5.2	463	6	US-11-056-355B-82916	Sequence 82916, A	639	64	5.2	172	7	US-11-293-687-3506	Sequence 3506, App
567	64.5	5.2	502	6	US-10-511-937-3008	Sequence 3008, App	640	64	5.2	194	6	US-10-449-902-30155	Sequence 30155, App
568	64.5	5.2	523	7	US-11-056-355B-82915	Sequence 82915, A	641	64	5.2	194	6	US-10-449-902-21551	Sequence 21551, App
569	64.5	5.2	575	6	US-10-471-571A-2374	Sequence 2374, App	642	64	5.2	221	6	US-10-449-902-12334	Sequence 12334, App
570	64.5	5.2	633	6	US-10-953-349-6744	Sequence 6744, App	643	64	5.2	259	7	US-11-056-355B-55595	Sequence 55595, App
571	64.5	5.2	633	7	US-11-056-355B-39135	Sequence 39135, A	644	64	5.2	264	6	US-10-449-902-10711	Sequence 10711, A
572	64.5	5.2	633	7	US-11-056-355B-87612	Sequence 87612, A	645	64	5.2	264	6	US-10-449-902-47375	Sequence 47375, A
573	64.5	5.2	638	7	US-11-121-154-15	Sequence 15, App1	646	64	5.2	313	6	US-10-449-902-40539	Sequence 40539, A
574	64.5	5.2	750	6	US-10-449-902-45324	Sequence 45324, A	647	64	5.2	357	6	US-10-449-902-55023	Sequence 55023, A
575	64.5	5.2	768	7	US-11-141-691-32	Sequence 32, App1	648	64	5.2	358	6	US-10-953-349-10913	Sequence 10913, A
576	64.5	5.2	860	6	US-10-449-902-35078	Sequence 35078, A	649	64	5.2	367	6	US-10-953-349-10912	Sequence 10912, A
577	64.5	5.2	889	6	US-10-449-902-41050	Sequence 41050, A	650	64	5.2	391	6	US-10-953-349-10911	Sequence 10911, A
578	64.5	5.2	1049	7	US-11-056-355B-86066	Sequence 86066, A	651	64	5.2	413	7	US-11-056-355B-58825	Sequence 58825, A
579	64.5	5.2	1075	7	US-11-056-355B-86065	Sequence 86065, A	653	64	5.2	420	6	US-10-449-902-53583	Sequence 53583, A
580	64.5	5.2	1079	7	US-11-056-355B-69493	Sequence 69493, A	654	64	5.2	424	6	US-10-449-902-15884	Sequence 15884, A
581	64.5	5.2	1105	7	US-11-056-355B-69492	Sequence 69492, A	655	64	5.2	433	6	US-10-953-349-19009	Sequence 19009, A
582	64.5	5.2	1141	7	US-11-056-355B-86064	Sequence 86064, A	656	64	5.2	439	6	US-10-449-902-12941	Sequence 12941, A
583	64.5	5.2	1141	7	US-11-056-355B-69491	Sequence 69491, A	657	64	5.2	441	6	US-10-953-349-19008	Sequence 19008, A
584	64.5	5.2	1422	7	US-11-063-439-227	Sequence 227, App	658	64	5.2	442	7	US-11-056-355B-58824	Sequence 58824, A
585	64.5	5.2	2336	7	US-11-063-439-249	Sequence 249, App	659	64	5.2	469	6	US-10-449-902-55448	Sequence 55448, A
586	64.5	5.2	2676	7	US-11-063-439-223	Sequence 223, App	660	64	5.2	470	6	US-10-449-902-54228	Sequence 54228, A
587	64.5	5.2	3317	7	US-11-063-439-157	Sequence 157, App	661	64	5.2	516	6	US-10-449-902-47196	Sequence 47196, A
588	64.5	5.2	3462	7	US-11-063-439-217	Sequence 217, App	662	64	5.2	543	7	US-11-140-450-14	Sequence 14, App1
589	64.5	5.2	3463	7	US-11-063-439-250	Sequence 250, App	663	64	5.2	638	6	US-10-449-902-33190	Sequence 33190, App
590	64.5	5.2	3471	7	US-11-063-439-127	Sequence 127, App	664	64	5.2	639	6	US-10-511-937-3593	Sequence 3593, App
591	64.5	5.2	3471	7	US-11-063-439-256	Sequence 256, App	665	64	5.2	769	7	US-11-121-154-88	Sequence 88, App1
592	64.5	5.2	3472	7	US-11-063-439-243	Sequence 243, App	667	64	5.2	880	7	US-11-056-355B-25414	Sequence 25414, A
593	64.5	5.2	3475	7	US-11-063-439-210	Sequence 210, App	668	64	5.2	888	7	US-11-056-355B-25413	Sequence 25413, A
594	64.5	5.2	3475	7	US-11-063-439-251	Sequence 251, App	669	64	5.2	956	7	US-11-056-355B-25412	Sequence 25412, A
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596	64.5	5.2	3476	7	US-11-063-439-211	Sequence 211, App	671	64	5.2	3461	7	US-11-063-439-193	Sequence 193, App
597	64.5	5.2	3478	7	US-11-063-439-320	Sequence 320, App	672	64	5.2	3496	7	US-11-063-439-145	Sequence 145, App
598	64.5	5.2	3479	7	US-11-063-439-135	Sequence 135, App	673	64	5.2	3498	7	US-11-063-439-142	Sequence 142, App
599	64.5	5.2	3479	7	US-11-063-439-255	Sequence 255, App	674	64	5.2	3502	7	US-11-063-439-144	Sequence 144, App
600	64.5	5.2	3486	7	US-11-063-439-195	Sequence 195, App	675	64	5.2	3502	7	US-11-063-439-121	Sequence 121, App
601	64.5	5.2	3488	7	US-11-063-439-258	Sequence 258, App	676	64	5.2	3524	7	US-11-063-439-124	Sequence 124, App
602	64.5	5.2	3488	7	US-11-063-439-174	Sequence 174, App	677	63.5	5.1	170	6	US-10-449-902-30189	Sequence 30189, App
603	64.5	5.2	3488	7	US-11-063-439-200	Sequence 200, App	678	63.5	5.1	237	6	US-10-953-349-3211	Sequence 3211, App
604	64.5	5.2	3488	7	US-11-063-439-240	Sequence 240, App	679	63.5	5.1	254	6	US-10-953-349-9950	Sequence 9950, App
605	64.5	5.2	3488	7	US-11-063-439-219	Sequence 219, App	680	63.5	5.1	257	6	US-10-953-349-9949	Sequence 9949, App
606	64.5	5.2	3490	7	US-11-063-439-114	Sequence 114, App	681	63.5	5.1	262	6	US-10-953-349-9948	Sequence 9948, App
607	64.5	5.2	3490	7	US-11-063-439-118	Sequence 118, App	682	63.5	5.1	274	6	US-10-449-902-44315	Sequence 44315, App
608	64.5	5.2	3490	7	US-11-063-439-126	Sequence 126, App	683	63.5	5.1	289	7	US-11-132-986-293	Sequence 293, App
609	64.5	5.2	3490	7	US-11-063-439-244	Sequence 244, App	684	63.5	5.1	290	7	US-11-132-986-295	Sequence 295, App
610	64.5	5.2	3491	7	US-11-063-439-121	Sequence 121, App	685	63.5	5.1	299	6	US-10-449-902-36009	Sequence 36009, App
611	64.5	5.2	3494	7	US-11-063-439-239	Sequence 239, App	686	63.5	5.1	308	6	US-10-449-902-46302	Sequence 46302, App
612	64.5	5.2	3495	7	US-11-063-439-181	Sequence 181, App	687	63.5	5.1	310	7	US-11-056-355B-10544	Sequence 10544, A

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722	63.5	5.1	591	7	US-11-056-355B-54415	Sequence 54415, A	795	63	5.1	464	6	US-10-953-349-49903	Sequence 34903, A
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738	63.5	5.1	1281	7	US-11-056-355B-95078	Sequence 95078, A	811	63	5.1	810	7	US-11-056-355B-93070	Sequence 93070, A
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743	63	5.1	197	7	US-11-056-355B-37500	Sequence 37500, A	816	63	5.1	973	7	US-11-056-355B-93066	Sequence 93066, A
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745	63	5.1	205	7	US-11-056-355B-81381	Sequence 81381, A	818	63	5.1	977	6	US-10-449-902-50526	Sequence 50526, A
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752	63	5.1	247	6	US-10-449-902-33972	Sequence 33972, A	825	63	5.0	283	7	US-11-105-233-161	Sequence 161, App
753	63	5.1	247	6	US-10-449-902-31871	Sequence 31871, A	826	63	5.0	283	7	US-11-226-554-124	Sequence 124, App
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846	62.5	5.0	449	7	US-11-056-355B-94952	Sequence 94952, A	920	62	5.0	541	6	US-10-953-349-17392	Sequence 17392, A
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853	62.5	5.0	528	7	US-11-056-355B-47767	Sequence 47767, A	927	62	5.0	555	7	US-11-056-355B-42001	Sequence 42001, A
854	62.5	5.0	545	7	US-11-140-450-40	Sequence 40, Appl	928	62	5.0	557	6	US-10-449-902-50128	Sequence 50128, A
855	62.5	5.0	575	6	US-10-449-902-5485	Sequence 45485, A	929	62	5.0	570	7	US-11-056-355B-10001	Sequence 10001, A
856	62.5	5.0	638	6	US-10-449-902-54628	Sequence 54628, A	930	62	5.0	571	7	US-11-056-355B-10000	Sequence 10000, A
857	62.5	5.0	928	6	US-10-449-902-11341	Sequence 41341, A	931	62	5.0	582	7	US-11-056-355B-42000	Sequence 42000, A
858	62.5	5.0	999	6	US-10-519-135-4	Sequence 4, Appl1	932	62	5.0	588	6	US-10-449-902-52095	Sequence 52095, A
859	62.5	5.0	1043	6	US-10-449-902-48111	Sequence 48111, A	933	62	5.0	643	6	US-10-204-067A-8	Sequence 8, Appl1
861	62	5.0	134	6	US-11-056-355B-61228	Sequence 61228, A	934	62	5.0	692	6	US-10-204-067A-2	Sequence 2, Appl1
862	62	5.0	165	6	US-10-449-902-52187	Sequence 52187, A	935	62	5.0	692	6	US-10-204-067A-6	Sequence 6, Appl1
863	62	5.0	167	7	US-11-154-977-131	Sequence 131, App	936	62	5.0	693	6	US-10-449-902-69447	Sequence 49447, A
864	62	5.0	196	6	US-10-449-902-34401	Sequence 34401, A	937	62	5.0	821	7	US-11-056-355B-73351	Sequence 73351, A
865	62	5.0	224	7	US-11-174-307B-3620	Sequence 3620, Ap	938	62	5.0	855	7	US-11-056-355B-73350	Sequence 73350, A
866	62	5.0	245	6	US-10-953-349-23287	Sequence 23287, A	939	62	5.0	892	7	US-11-056-355B-73349	Sequence 73349, A
867	62	5.0	262	7	US-11-056-355B-35092	Sequence 35092, A	940	62	5.0	914	7	US-11-056-355B-78584	Sequence 78584, A
868	62	5.0	262	7	US-11-056-355B-76176	Sequence 76176, A	941	62	5.0	944	6	US-10-449-902-47242	Sequence 47242, A
869	62	5.0	262	7	US-11-056-355B-101768	Sequence 101768, A	942	62	5.0	947	7	US-11-056-355B-78583	Sequence 78583, A
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871	62	5.0	268	7	US-11-056-355B-76175	Sequence 76175, A	944	62	5.0	995	7	US-11-056-355B-78582	Sequence 78582, A
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873	62	5.0	307	6	US-10-953-349-2183	Sequence 2183, Ap	946	62	5.0	150	6	US-10-953-349-88732	Sequence 88732, A
874	62	5.0	307	7	US-11-056-355B-40488	Sequence 40488, A	947	62	5.0	162	7	US-11-056-355B-18878	Sequence 18878, A
875	62	5.0	307	7	US-11-056-355B-105654	Sequence 105654, A	948	62	5.0	167	7	US-11-293-697-1261	Sequence 1261, Ap
876	62	5.0	307	7	US-11-056-355B-116893	Sequence 116893, A	949	62	5.0	169	7	US-11-056-355B-30148	Sequence 30148, A
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879	62	5.0	312	7	US-11-056-355B-13536	Sequence 13536, A	952	62	5.0	189	6	US-10-953-349-13954	Sequence 13954, A
880	62	5.0	321	6	US-10-449-902-33963	Sequence 33963, A	953	62	5.0	189	7	US-11-056-355B-52224	Sequence 52224, A
881	62	5.0	332	7	US-11-056-355B-13535	Sequence 13535, A	954	62	5.0	212	7	US-11-056-355B-49627	Sequence 49627, A
882	62	5.0	335	6	US-10-953-349-2182	Sequence 2182, Ap	955	62	5.0	221	6	US-10-953-349-1910	Sequence 1910, Appl
883	62	5.0	335	6	US-10-449-902-39905	Sequence 39905, A	956	62	5.0	254	7	US-11-056-355B-24548	Sequence 24548, A
884	62	5.0	335	7	US-11-056-355B-40487	Sequence 40487, A	957	62	5.0	268	7	US-11-174-307B-4254	Sequence 4254, Ap
885	62	5.0	335	7	US-11-056-355B-105653	Sequence 105653, A	958	62	5.0	276	7	US-11-056-355B-24547	Sequence 24547, A
886	62	5.0	335	7	US-11-056-355B-116892	Sequence 116892, A	959	62	5.0	280	7	US-11-056-355B-1484	Sequence 1484, Ap
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888	62	5.0	343	7	US-11-056-355B-40486	Sequence 40486, A	961	62	5.0	285	7	US-11-056-355B-1483	Sequence 1483, Ap
889	62	5.0	343	7	US-11-056-355B-105652	Sequence 105652, A	962	62	5.0	289	7	US-11-056-355B-62594	Sequence 62594, A
890	62	5.0	343	7	US-11-056-355B-116891	Sequence 116891, A	963	62	5.0	307	7	US-11-056-355B-5180	Sequence 5180, Ap
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892	62	5.0	357	6	US-10-449-902-31733	Sequence 31733, A	965	62	5.0	319	6	US-10-449-902-56619	Sequence 56619, A
893	62	5.0	364	6	US-10-449-902-31703	Sequence 31703, A	966	62	5.0	319	7	US-11-056-355B-21056	Sequence 21056, A
894	62	5.0	394	6	US-11-056-355B-13534	Sequence 13534, A	967	62	5.0	345	7	US-11-056-355B-75050	Sequence 75050, A
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898	62	5.0	408	7	US-11-056-355B-28014	Sequence 28014, A	971	62	5.0	331	6	US-10-471-511A-3006	Sequence 3006, Ap
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901	62	5.0	408	7	US-11-056-355B-114910	Sequence 114910, A	974	62	5.0	345	7	US-11-056-355B-5179	Sequence 5179, A
902	62	5.0	434	7	US-11-056-355B-65539	Sequence 65539, A	975	62	5.0	348	7	US-11-056-355B-49625	Sequence 49625, A
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904	62	5.0	442	6	US-10-449-902-47881	Sequence 47881, A	977	62	5.0	371	7	US-11-056-355B-22683	Sequence 22683, A
905	62	5.0	474	6	US-10-449-902-29856	Sequence 29856, A	978	62	5.0	372	6	US-11-056-355B-22683	Sequence 22683, A
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907	62	5.0	478	6	US-10-449-902-48581	Sequence 48581, A	980	62	5.0	379	7	US-11-056-355B-96506	Sequence 96506, A

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982	61.5	5.0	392	7	US-11-056-355B-1482	Sequence 1482, App	1056	61	4.9	339	7	US-11-056-355B-79198	Sequence 79198, A
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1008	61.5	5.0	1015	7	US-11-056-355B-85840	Sequence 85840, A	1082	61	4.9	445	7	US-11-056-355B-84209	Sequence 84209, A
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1024	61	4.9	224	6	US-11-056-355B-3873	Sequence 3873, App	1098	61	4.9	602	7	US-11-316-535A-163	Sequence 163, App
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1042	61	4.9	310	6	US-10-953-349-18691	Sequence 18691, A	1116	61	4.9	3499	7	US-10-544-944-1	Sequence 1, App11
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1129	60.5	4.9	275	6	US-10-953-349-24566	Sequence 24566, A	1202	60.5	4.9	3497	7	US-11-063-439-133	Sequence 133, App
1130	60.5	4.9	276	6	US-10-449-902-43437	Sequence 43437, A	1203	60.5	4.9	3502	7	US-11-063-439-186	Sequence 186, App
1131	60.5	4.9	282	7	US-11-056-355B-62535	Sequence 62535, A	1204	60.5	4.9	3503	7	US-11-063-439-183	Sequence 183, App
1132	60.5	4.9	286	6	US-10-449-902-32173	Sequence 32173, A	1205	60.5	4.9	3509	7	US-11-063-439-136	Sequence 136, App
1133	60.5	4.9	317	6	US-10-953-349-24565	Sequence 24565, A	1206	60.5	4.9	3509	7	US-11-063-439-176	Sequence 176, App
1134	60.5	4.9	326	6	US-10-449-902-28721	Sequence 28721, A	1207	60.5	4.9	3509	7	US-11-063-439-178	Sequence 178, App
1135	60.5	4.9	326	6	US-10-449-902-44165	Sequence 44165, A	1208	60.5	4.9	3511	7	US-11-063-439-124	Sequence 124, App
1136	60.5	4.9	340	6	US-10-449-902-36459	Sequence 36459, A	1209	60.5	4.9	3512	7	US-11-063-439-122	Sequence 122, App
1137	60.5	4.9	347	6	US-10-449-902-43920	Sequence 43920, A	1210	60.5	4.9	3512	7	US-11-063-439-191	Sequence 191, App
1138	60.5	4.9	378	6	US-10-953-349-31745	Sequence 31745, A	1211	60.5	4.9	3516	7	US-11-063-439-161	Sequence 161, App
1139	60.5	4.9	377	6	US-11-056-355B-66145	Sequence 66145, A	1212	60.5	4.9	3519	7	US-11-063-439-157	Sequence 157, App
1140	60.5	4.9	383	6	US-10-953-349-9089	Sequence 9089, App	1213	60.5	4.9	3518	7	US-11-063-439-187	Sequence 187, App
1141	60.5	4.9	383	7	US-11-056-355B-45475	Sequence 45475, A	1214	60.5	4.9	3523	7	US-11-063-439-146	Sequence 146, App
1142	60.5	4.9	388	6	US-10-953-349-31744	Sequence 31744, A	1215	60.5	4.9	3523	7	US-11-063-439-152	Sequence 152, App
1143	60.5	4.9	388	7	US-11-056-355B-66144	Sequence 66144, A	1216	60.5	4.9	3534	7	US-11-063-439-132	Sequence 132, App
1144	60.5	4.9	401	6	US-10-953-349-24564	Sequence 24564, A	1217	60.5	4.9	3540	7	US-11-063-439-158	Sequence 158, App
1145	60.5	4.9	402	6	US-10-449-902-42591	Sequence 42591, A	1218	60.5	4.9	3544	7	US-11-063-439-188	Sequence 188, App
1146	60.5	4.9	402	6	US-10-449-902-42993	Sequence 42993, A	1219	60.5	4.9	3544	7	US-11-063-439-159	Sequence 159, App
1147	60.5	4.9	444	7	US-11-056-355B-16085	Sequence 16085, A	1220	60.5	4.9	3544	7	US-11-063-439-197	Sequence 197, App
1148	60.5	4.9	444	7	US-11-056-355B-16705	Sequence 16705, A	1221	60.5	4.9	3696	7	US-11-330-353-4	Sequence 4, App1
1149	60.5	4.9	448	7	US-11-056-355B-87594	Sequence 87594, A	1222	60	4.8	119	7	US-11-056-355B-61788	Sequence 61788, A
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1152	60.5	4.9	471	6	US-11-056-355B-45474	Sequence 45474, A	1225	60	4.8	151	7	US-11-056-355B-61787	Sequence 61787, A
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1154	60.5	4.9	474	6	US-10-449-902-52998	Sequence 52998, A	1227	60	4.8	161	7	US-11-056-355B-63235	Sequence 63235, A
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1156	60.5	4.9	487	7	US-11-056-355B-45473	Sequence 45473, A	1229	60	4.8	163	7	US-11-056-355B-63234	Sequence 63234, A
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1158	60.5	4.9	505	7	US-11-056-355B-70381	Sequence 70381, A	1231	60	4.8	183	7	US-11-056-355B-34133	Sequence 34133, A
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1160	60.5	4.9	548	7	US-11-056-355B-87592	Sequence 87592, A	1233	60	4.8	183	7	US-11-056-355B-115842	Sequence 115842, A
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1166	60.5	4.9	584	7	US-11-056-355B-86649	Sequence 86649, A	1239	60	4.8	204	7	US-11-056-355B-104602	Sequence 104602, A
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1173	60.5	4.9	657	7	US-11-056-355B-45139	Sequence 45139, A	1246	60	4.8	270	6	US-10-449-902-52310	Sequence 52310, A
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1181	60.5	4.9	684	6	US-10-953-349-35970	Sequence 35970, A	1254	60	4.8	282	7	US-11-056-355B-64143	Sequence 64143, A
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1184	60.5	4.9	732	7	US-11-056-355B-103366	Sequence 103366, A	1257	60	4.8	287	7	US-11-056-355B-1958	Sequence 1958, App
1185	60.5	4.9	732	7	US-11-056-355B-114605	Sequence 114605, A	1258	60	4.8	287	7	US-11-056-355B-64142	Sequence 64142, A
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1192	60.5	4.9	851	7	US-11-056-355B-45138	Sequence 45138, A	1265	60	4.8	306	7	US-11-056-355B-41422	Sequence 41422, A
1193	60.5	4.9	851	7	US-11-063-439-115	Sequence 115, App	1266	60	4.8	306	7	US-11-056-355B-44429	Sequence 44429, A
1194	60.5	4.9	3031	7	US-11-063-439-108	Sequence 108, App	1267	60	4.8	306	7	US-11-056-355B-89357	Sequence 89357, A
1195	60.5	4.9	3203	7	US-11-063-439-171	Sequence 171, App	1268	60	4.8	306	7	US-11-056-355B-93113	Sequence 93113, A
1196	60.5	4.9	3222	7	US-11-063-439-137	Sequence 137, App	1269	60	4.8	319	6	US-10-449-902-29516	Sequence 29516, A
1197	60.5	4.9	3466	7	US-11-063-439-169	Sequence 169, App	1270	60	4.8	321	6	US-10-953-349-17731	Sequence 17731, A
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1277	60	4.8	358	6	US-10-953-349-19378	Sequence 19378, A	1350	60	4.8	622	7	US-11-226-554-116	Sequence 116, App
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1292	60	4.8	407	7	US-11-056-355B-88787	Sequence 88787, A	1365	60	4.8	733	6	US-10-449-902-41111	Sequence 41111, A
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1299	60	4.8	414	7	US-11-056-355B-119559	Sequence 119559, A	1372	60	4.8	858	6	US-10-449-902-53238	Sequence 53238, A
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1304	60	4.8	421	6	US-10-953-349-674	Sequence 674, App	1377	60	4.8	1278	6	US-10-406-020-8	Sequence 8, App11
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1307	60	4.8	421	7	US-11-056-355B-97713	Sequence 97713, A	1380	60	4.8	2339	6	US-10-829-000-8	Sequence 8, App11
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1309	60	4.8	433	7	US-11-056-355B-16967	Sequence 16967, A	1382	60	4.8	3595	7	US-11-063-439-264	Sequence 264, App
1310	60	4.8	433	7	US-11-056-355B-42955	Sequence 42955, A	1383	60	4.8	3595	7	US-11-063-439-269	Sequence 269, App
1311	60	4.8	434	7	US-11-056-355B-88786	Sequence 88786, A	1384	60	4.8	3599	7	US-11-063-439-271	Sequence 271, App
1312	60	4.8	434	7	US-11-056-355B-92542	Sequence 92542, A	1385	60	4.8	3600	7	US-11-063-439-262	Sequence 262, App
1313	60	4.8	436	7	US-11-316-535A-135	Sequence 135, App	1386	60	4.8	3603	7	US-11-063-439-289	Sequence 289, App
1314	60	4.8	446	7	US-11-056-355B-78150	Sequence 78150, A	1387	59.5	4.8	1117	6	US-10-449-902-45842	Sequence 45842, A
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1317	60	4.8	458	6	US-10-953-349-19377	Sequence 19377, A	1390	59.5	4.8	165	7	US-11-056-355B-4336	Sequence 4366, App
1318	60	4.8	458	7	US-11-056-355B-55716	Sequence 55716, A	1391	59.5	4.8	166	7	US-11-056-355B-9049	Sequence 9049, App
1319	60	4.8	463	7	US-11-056-355B-79975	Sequence 79975, A	1392	59.5	4.8	174	7	US-11-056-355B-9048	Sequence 9048, App
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1326	60	4.8	495	7	US-11-056-355B-22427	Sequence 22427, A	1399	59.5	4.8	265	7	US-11-056-355B-10327	Sequence 10327, A
1327	60	4.8	495	7	US-11-056-355B-104279	Sequence 104279, A	1401	59.5	4.8	270	7	US-11-056-355B-42177	Sequence 42177, A
1328	60	4.8	495	7	US-11-056-355B-115518	Sequence 115518, A	1402	59.5	4.8	272	6	US-11-056-355B-42177	Sequence 42177, A
1329	60	4.8	506	6	US-10-953-349-6586	Sequence 6586, App	1403	59.5	4.8	272	7	US-11-145-471-3	Sequence 3, App1
1330	60	4.8	506	7	US-11-056-355B-124426	Sequence 124426, A	1404	59.5	4.8	272	7	US-11-145-471-22	Sequence 22, App1
1331	60	4.8	506	7	US-11-056-355B-104278	Sequence 104278, A	1405	59.5	4.8	273	7	US-11-056-355B-42176	Sequence 42176, A
1332	60	4.8	506	7	US-11-056-355B-115517	Sequence 115517, A	1406	59.5	4.8	279	6	US-10-953-349-90287	Sequence 90287, A
1333	60	4.8	510	6	US-10-449-902-38317	Sequence 38317, A	1407	59.5	4.8	279	7	US-11-056-355B-19301	Sequence 19301, A
1334	60	4.8	513	6	US-10-449-902-47782	Sequence 47782, A	1408	59.5	4.8	280	7	US-11-056-355B-2876	Sequence 2876, App
1335	60	4.8	522	7	US-11-056-355B-76654	Sequence 76654, A	1409	59.5	4.8	284	7	US-11-248-956-68	Sequence 956, App1
1336	60	4.8	525	7	US-11-056-355B-79974	Sequence 79974, A	1410	59.5	4.8	289	7	US-11-221-616-68	Sequence 68, App1
1337	60	4.8	528	6	US-10-449-902-41549	Sequence 41549, A	1411	59.5	4.8	294	7	US-11-056-355B-1783	Sequence 1783, App
1338	60	4.8	529	6	US-10-953-349-5633	Sequence 5633, App	1412	59.5	4.8	300	6	US-10-953-349-90286	Sequence 90286, A
1339	60	4.8	534	6	US-10-449-902-5356	Sequence 5356, App	1413	59.5	4.8	300	7	US-11-056-355B-11975	Sequence 11975, A
1340	60	4.8	544	6	US-11-056-355B-44827	Sequence 44827, A	1414	59.5	4.8	307	7	US-11-056-355B-2875	Sequence 2875, App
1341	60	4.8	548	6	US-10-449-902-52715	Sequence 52715, A	1415	59.5	4.8	309	7	US-11-056-355B-2874	Sequence 2874, App
1342	60	4.8	568	7	US-11-056-355B-76653	Sequence 76653, A	1416	59.5	4.8	312	6	US-10-953-349-90285	Sequence 90285, A
1343	60	4.8	572	7	US-11-056-355B-79973	Sequence 79973, A	1417	59.5	4.8	322	6	US-10-953-349-11974	Sequence 11974, A
1344	60	4.8	574	7	US-11-293-697-2802	Sequence 2802, App	1418	59.5	4.8	334	6	US-11-056-355B-42175	Sequence 42175, A
1345	60	4.8	576	7	US-11-056-355B-76652	Sequence 76652, App	1419	59.5	4.8	340	6	US-10-449-902-54759	Sequence 54759, A
1346	60	4.8	614	7	US-11-056-355B-74135	Sequence 74135, A	1420	59.5	4.8	343	7	US-11-174-307B-3950	Sequence 3950, App

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